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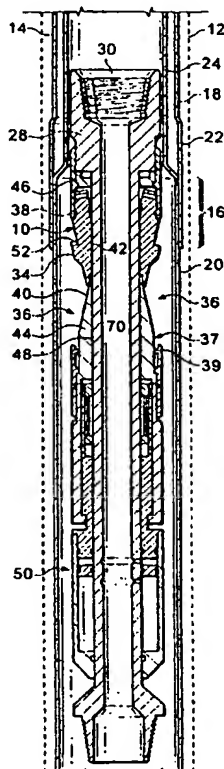
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(54) Title: CUTTER FOR WELLBORE CASING



(57) Abstract: A cutter (10) for a wellbore casing (20) is provided that includes a rotatable tubular support (28), at least one cutter blade (34) supported on the rotatable tubular support, having a retracted position for insertion into the wellbore casing and having an expanded position for cutting engagement with the wellbore casing, and an actuator (50) for moving the cutter blade from the retracted position to the expanded position for cutting engagement with the wellbore casing.

WO 2004/027204 A3

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29858

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : E21B 29/00  
 US CL : 166/298, 55.8, 361

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 166/298, 55.8, 361, 297, 55.6, 55.2; 175/267, 286, 258, 406

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
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**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,150,755 A (Cassel et al ) 29 September 1992, Figs 2-4, col. 4, line 19-col. 6, line 41.	1, 2, 10, 12-14, 16, 17
X	US 4,938,291 A (Lynde et al.), 3 July 1990, Figs 1, 2, col. 4, line 41-col. 5, line 42.	1, 2, 10, 12-14, 16, 17
X	US 5,242,017 A (Hailey) 7 September 1993, Fig. 1, col 2, line 55-col. 3, line 28.	1, 2, 10, 12-14, 16, 17
X,E	US 6,679,328 B2 (Davis et al) 20 January 2004, Figs 1, 2, 5, 8, 9, col. 3, line 33-col. 7, line 5.	1-18

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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